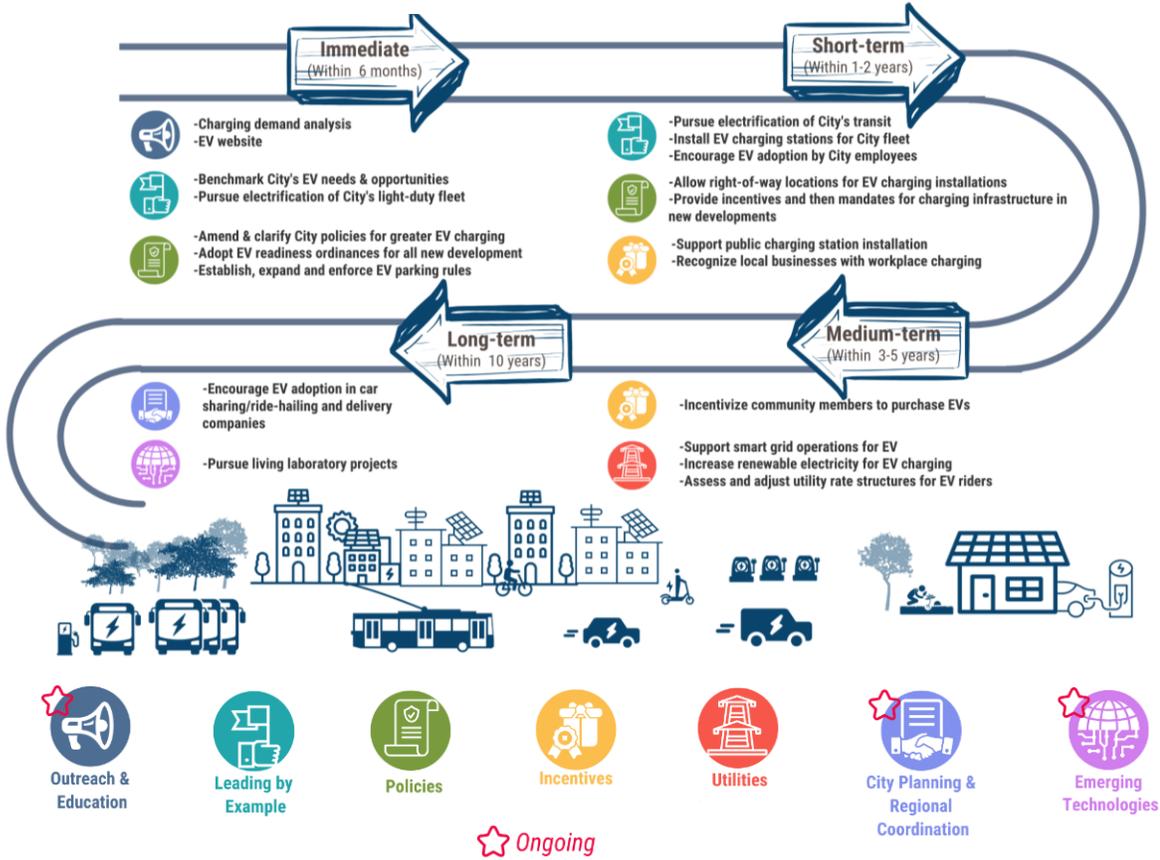


City of Tucson Electric Vehicle Roadmap



Unified Development Code
Commercial Parking Amendments

EV Readiness & Restaurant Individual Parking Plan

City of Tucson
Planning & Development Services

Mayor & Council
September 28, 2021

Commercial Parking Amendments

Two components of proposed parking amendments

- Expanded Restaurant Seating
- EV readiness

Related policy goals that both affect commercial parking - UDC Section 7.4

Combined approach allows more holistic conversation about the space that is allocated to parking, involving

- Climate action
- COVID response
- Costs and feasibility
- Incentives, shared use agreements



Background

Expanded Restaurant Seating

May 2020

Temporary Expansion of Restaurant Seating Program
authorized by the Mayor's Emergency Proclamation

August 2021

Program extended, M&C instructs staff to initiate amendments to the Unified Development Code (UDC) and other applicable codes in support of a permanent citywide program
Individual Parking Plan not currently available to bars and restaurants

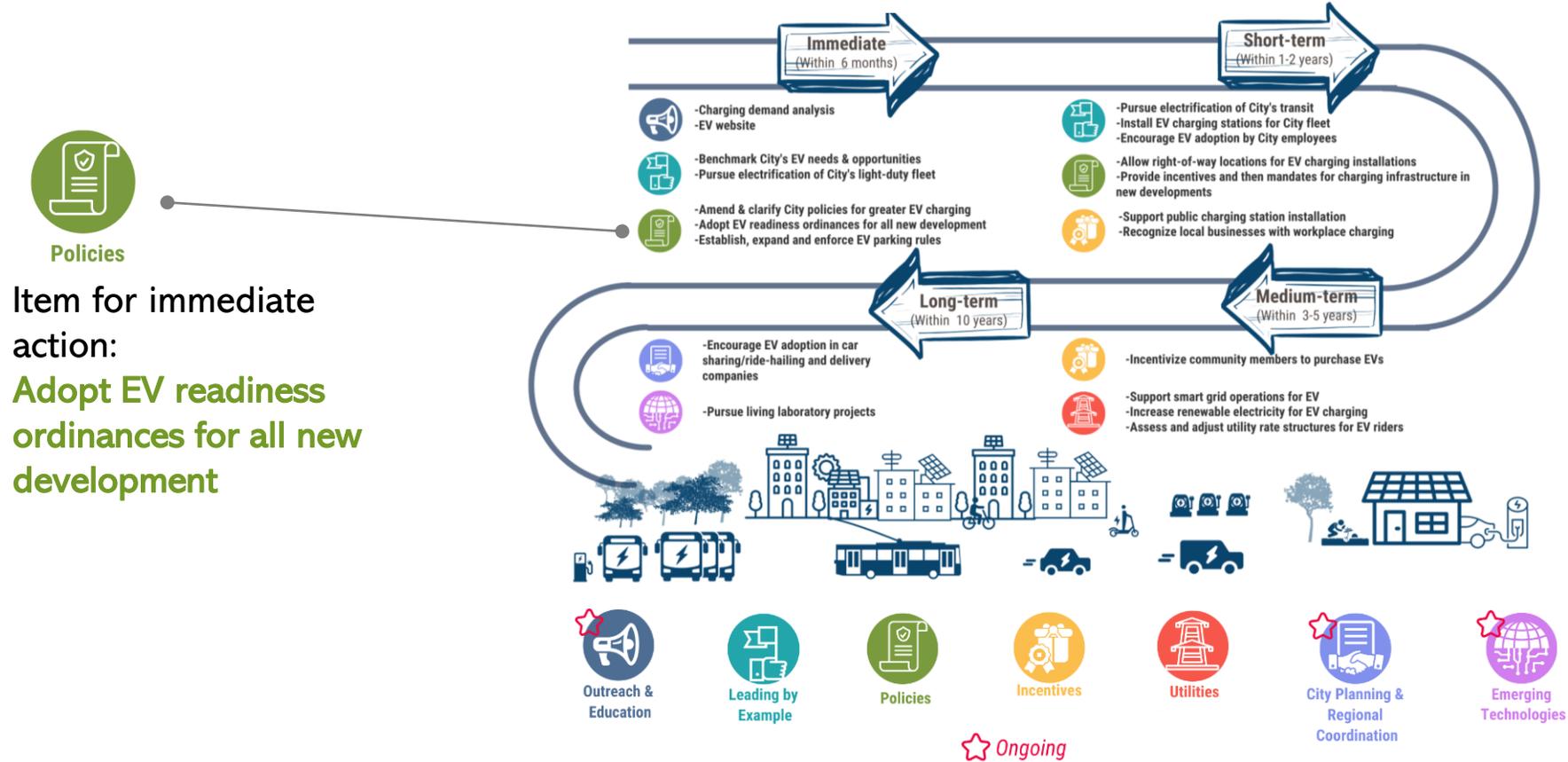


Background

EV Readiness

April 2021
Tucson Mayor & Council
adopts EV Roadmap

City of Tucson Electric Vehicle Roadmap



June 2021
EV building code ordinance for
new one & two family residential development
M&C instructs Planning & Development staff to develop EV zoning code recommendations for
new multifamily & commercial development



UDC Commercial Parking
Amendments
EV Readiness & Restaurant IPP
City of Tucson
Planning & Development Services
Mayor & Council September 28, 2021

First EV Stakeholders Meeting

August 30, 2021

Key Items of Discussion

- Impact on affordability of multifamily housing
- Rapid pace of technology change
- Decreasing cost of EVs

Future Topics for Discussion

- EV adoption trends in Tucson
- Specific use considerations

PDSD is continuing to reach out to stakeholders

Next meeting October 12

Attended

City of Tucson Mayor & Council Staff
City of Tucson DTM
City of Tucson EGSD
Arizona Multihousing Association
Arizona PIRG Education Fund
AZ Builders Alliance
AZ Capitol Consulting
EVGo
Greenlots
Pascua Yaqui Tribe
Physicians for Social Responsibility
Red Point Development
SWEEP
TEP
Tesla
Tierra Strategy
Tofel Dent
Wildfire AZ



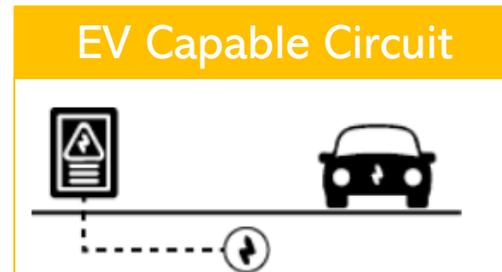
Definitions

Code Readiness & Requirements – a range of options to be explored



EV Incentivized
EV spaces with charging stations generally count towards or reduce standard parking minimums

 *Existing option for commercial parking in Tucson*



EV Capable Circuit
Electrical panel capacity with dedicated circuit and physical pathway for wiring (raceway) to a future EV parking spot

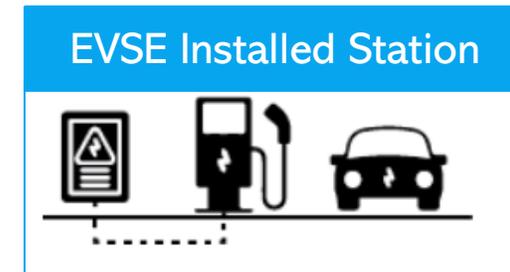
AC Level 1
AC Level 2
DC Fast Charge (Level 3)



EVSE Ready Outlet
Electrical panel capacity, raceway, and conduit to 240-volt charging outlet (typical dryer outlet) near EV parking spot

AC Level 2

 *Existing requirement for new one & two family residential in Tucson*



EVSE Installed Station
Minimum number of EV Charging Stations

AC Level 2
DC Fast Charge (Level 3)

Case Studies

research ongoing

Peer Cities

EV Incentivized

Tucson, AZ *existing*
Required parking spaces reduced by one for every one EV space

Albuquerque, NM
Each off-street EV charging station (240v or higher) counts for 2 required parking spaces

EV Capable Circuit

EVSE Ready Outlet

Miami – Dade, FL
Most new development requires a percentage of parking spaces to be Level 2, EV Ready

For lots larger than 9 spaces:
Prior to Jan 2022
10% of spaces
After Jan 2022
20% of spaces

Excepted uses: *one family, duplex, townhouse, church, or religious use*

EVSE Installed

Salt Lake City, UT
All new or expanded buildings over 5,000 sq ft require EV spaces

Multi family
1 EV installed station for every 25 spaces

San Jose, CA
Multi family
70% EV Capable Circuit
20% EVSE Ready Outlet
10% EVSE Installed Stations

Commercial
40% Capable Circuit
10% EV Installed Stations



Proposed Outreach & Workplan

Milestone/Task	2021					2022			
	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	
M&C Initiations MF & Commercial EV: June 2021 Restaurant Expansion: August 2021									
EV Stakeholders meeting 1: EV Best Practices	AUG								
Mayor & Council PDSD Presents Workplan Proposal		SEP							
EV Stakeholders meeting 2			OCT						
Restaurant Expansion Stakeholders meeting 1			OCT						
EV Stakeholders meeting 3				NOV					
Public Meetings Parking Amendments				NOV					
Restaurant Expansion Stakeholders meeting 2					DEC				
EV Stakeholders meeting 4					DEC				
Planning Commission Study Session on Amendments						JAN			
Planning Commission Public Hearing on Amendments							FEB		
Mayor & Council Review								MAR	

